RCRA RECORDS CENTER
FACILITY P-att & Whitney
I.D. NO. CTD 0 9906 72081
FILE LOC. R-1A
OTHER RDMS # 2478

Proff & White. E. Hartford (TD990672081

DECISION GUIDE (facility Description)

B-3 Location Information

B-3a Seismic Standard (Reserved)

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	SUBJ	ECT	REQUIREMENT	40 CFR SECTION NOS.	REFERENCES
	CERT	IFIC	ATION	1.	Appendix I
	<b>A.</b> (	PART	A APPLICATION	122.6(a) and (b) 122.4(d) 122.24	
	B. (	FACI	LITY DESCRIPTION	122.24	
	. 1	B-1	General Description	122.25(a)(1)	f.5-8,
	•		A general description of the facility, including the nature of the business. Offsite facilities should identify the types of industry served; onsite facilities should briefly describe the process(es) involved in the generation of hazardous waste.		
			Key words or phrases: Nature of business Standard industrial classification (SIC code)	<del>+</del>	Refs. 55, 64 Ref. 64
	1	8-2	Topographic Map	122.25(a)(19)	P 75
38 3			A topographic map showing the facility and a distance of 1000 feet around it, at a scale of 1 inch equal to not more than 200 feet. Map mist include: contours sufficient to show surface water flow around facility unit operations, map date, 100-year floodplain area, surface waters, surrounding land uses, a wind rose, map orientation, and legal boundaries of facility site: The map should also indicate location of access control injection and withdrawal wells, buildings, structures, severs, loading and unloading areas, fire control facilities, flood control or drainage barriers, runoff control systems, and location of hazardous waste operation units.		
		:	Key words or phrases: 100-year floodplain area	. 1 1	Ref. 58, Part 1; Ref. 85; Ref. 58, Ch. 1, Sec. 5.4, Soil Conservation Service State Conservationists, U.S. Geologi- cal Survey District offices; Ref. 87; Ref. 88; Ref. 97
			Land uses Wind rose		Ref. 18, Ch. 15.1.10; Ref. 83; Ref. 84; Ref. 68; Ref. 86, Ch. 12, Sec. II.B.2

122.25(a)(11)

122.25(a)(11)(i) and (ii) 264.18(a) Some

As noted (minor)

gaps)

SUBJECT REQUI	REMENT			40 CFR SECTION NOS.	REFERENCES
B-36	Floodpla	in Standard	•	122.25(a)(11)(iii) 264.18(b)	P. 56 \$37475
<b>Ç</b> +∂\.	100-year	floodplain,	ther or not the facility is located within a that includes the source of data (Federal tion Map or other maps and calculations).	75 (17(1))	1.56451415
	Identify Federal		flood or floodplain ministration flood map		Ref. 58, Part 1; Ref. 96; Ref. 9 Ref. 58, Part 1, Sec. 2.1; Ref. 85 Ref. 58, Part 1, Sec. 2.2; Ref. 87; Ref. 85; Ref. 87; Ref. 88; Ref. 98
	Soil Con	y Corp of Enservation Se logical Surv	rvice		Ref. 58, Part 1, Sec. 2.2 Ref. 58, Part 1, Sec. 2.2 Ref. 58, Part 1, Sec. 2.2; Ref. 83; Ref. 84
<b>C</b> F::	Mapping	techniques (	independent analysis)		Ref. 58, Part 1, Sec. 2.3
	8-36(1)	For facilit description operated, a	on of Compliance ies Tocated within the 100-year floodplain, a of how the facility is designed, constructed, and maintained to prevent washout of any hazardous ag a flood. Either of the following may be used:	122.25(a)(11)(iv) 264.18(b)	P.56
		8-3b(1)(a)	Flood Proofing and Flood Protection Measures A structural or other engineering study showing how design of the tanks, containers, or waste piles and the flood proofing and protection devices at the facility will prevent washout.	122.25(a)(11)(iv) (A) and (B)	Ref. 99; Ref. 100; Ref. 92; Ref. 93; Ref. 94
8.50			Key words or phrases: Flooding factors (e.g., wave action) Washout Washout prevention Hydrodynamic and hydrostatic forces Flood protection (e.g., floodwalls, dikes, etc.)		Ref. 58, Part 1, Sec. 3.3 Ref. 58, Part 1; Ref. 98 Ref. 58, Part 1, Sec. 4.0; Ref. 98 Ref. 58, Part 1, Sec. 4.2; Ref. 69 Ref. 58, Part 1, Sec. 4.2; Ref. 89;
\$ 19	e		Operational units (e.g., tanks, incinerators, etc.)	2.2 (26)	Ref. 90; Ref. 91; Ref. 98 Ref. 58, Part 1, Sec. 3.4; Ref. 29; Ref. 30; Ref. 32; Ref. 33; Ref. 34; Ref. 35

Provided provided applicable Coments

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DECISION	GUIDE	(continue	ed)	
(Facility	Descr	iption; W	laste	Characteristics)

	(Facili	ty Description; Waste Characteristics)	•		
	SUBJECT	REQUIREMENT	40 CFR SECTION NOS.	REFERENCES	Provided Provided applicable Comments
		B-3b(1)(b)  Flood Plan  Description of the procedures to be followed to remove hazardous waste to safety before the facility is flooded, including timing related to flood levels, estimated time to move the waste, the location to which the waste will be moved,	122.25(a)(11)(iv) (C)	Po54	
		demonstration that those facilities will be eligible to receive hazardous waste, the planned procedures, equipment, and personnel to be used, and the potential for accidental discharge of the waste during movement.	* * * * * * * * * * * * * * * * * * *	· ·	
		<u>Key words or phrases</u> Types of floods Rates of rise and fall Advance warning		Ref. 58, Part 1, Sec. 3.1 Ref. 58, Part 1, Sec. 3.3.4 Ref. 58, Part 1, Sec. 3.3.5	
		B-3b(2) Plan for Future Compliance With Floodplain Standard For facilities located within the 100-year floodplain that do not comply with the floodplain standard, a plan showing how and when the facility will be brought into compliance.	122.25(a)(11)(v)	1. 1. (n · 1. 4	14,000 #1512
	8-4	Traffic Information	122.25(a)(10)	P. 55	11,000 H
40		A description of the traffic pattern, including estimated volume, traffic control, access road surfacing, load-bearing capacity, and traffic control signals.		1, 90	
		Rey words or phrases: Load-bearing capacity		Ref. 36, ACI 347-78, Ch. 2.2	1 control
	C. WAST	TE CHARACTERISTICS			last, not produce
	C-1	Chemical and Physical Analyses	122.25(a)(2)		but said available 11114
		For each hazardous waste stored or treated at the facility, a general description of the waste, the hazard characteristics, the basis for hazard designation, and a laboratory report detailing the chemical and physical analyses of representative samples.	264.13(a)		P.9-10
		Key words or phrases: Hazardous properties of waste Basis for hazard characterization		Ref. 28; Ref. 65; Ref. 66 \$261, App. VII and Subpart C	In frequent analysis of
	C-2	Waste Analysis Plan	122.25(a)(3) 264.13(b) and (c)		wask, rely on
		A copy of the Maste Analysis Plan that describes how the analyses required to allow proper treatment, storage, and disposal of hazardous wastes will be carried out.		1.9423	related to varu materials
				•	

SUBJECT REQUIS	REMENT	40 CFR SECTION NOS.	REFERENCES	'. <u>:</u>
C-2a	Parameters and Rationale	264.13(b)(1)	Ref. 10, Sec. 7.4.2	
	A list-of parameters chosen for analysis and an explanation of the rationale for their selection.		P.24	
C-2b	Test Methods	264.13(b)(2)		٠,
	A description of the test methods used to test for parameters cho	sen. (1997) (1997)	P.21	
	Key words or phrases: Extraction procedure toxicity Ignitability Corrosivity Reactivity		40 CFR 261, App. II; Ref. 24, Sec. 3.8 Ref. 6; Ref. 24, Sec. 3.6 Ref. 6; Ref. 24, Sec. 3.4 Ref. 6; Ref. 24, Sec. 3.3	Sequence of the sequence of th
C-2c	Sampling Methods	264.13(b)(3)	Ref. 6, Sec. 3; 40 CFR 261, App. I;	
	A list of the sampling methods used to obtain a representative sa of each waste to be analyzed.		Ref. 42; Ref. 24, Sec. 4.0; Ref. 18, Ch. 9.5; Ref. 21, Ch. V; Ref. 59, Part 3; Ref. 60, Part 111; Ref. 70; Ref. 10, Sec. 7.2.3	
	Key words or phrases: Sampling equipment (trier, auger, Coliwasa, weighted bottle, dipp thief, scoop, and shovel) Sampling procedures	er,	Ref. 6, Sec. 3, pp. 3.2.1 to 3.2.19  f.  Ref. 6, p. 3.2.20	
	Containers Waste piles Sampling a drum Sampling a barrel, fiber drum, can, bags, or sacs, containing pow or granular waste	der <sup>†</sup>	Ref. 42, pp. 39 and 20 Ref. 42, p. 36 Ref. 42, p. 37	•
C-2d	Frequency of Analyses	264.13(b)(4)	f. 27	;
	A description of the frequency at which the analyses will be repe	ated.	1,22	
	Key words or phrases: Representative sample		Ref. 6, Sec. 1, pp. 3 thru 11	:
C-Ze	Additional Requirements for Wastes Generated Offsite	264.13(c)	8	٠.
·	A description of the procedures used to inspect and/or analyze wa generated offsite that includes procedures to determine their identity and sampling methods used.	stes - 122 - 23 37 27 - 137 27 36	Prilling	* ************************************
	Key words and phrases: Analyses supplied by offsite generators Sampling method for wastes generated offsite		40 CFR 261, App. I; Ref. 42; Ref. 24, Sec. 4.0; Ref. 18, Ch. 9.5; Ref. 21, Ch. V; Ref. 59, Part 3; Ref. 60, Part III; Ref. 70; Ref. 52, Sec. 3.3; Ref. 10, Sec. 4.2.3	

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waste on-site

DECISION GUIDE (continued) (Process Information - Containers)

Container dating

40 CFR SUBJECT REQUIREMENT SECTION NOS. REFERENCES D. PROCESS INFORMATION D-1 Containers D-1a Containers With Free Liquids D-1a(1) Description of Containers A description of the facility's primary containment devices that includes basic design parameters, dimensions, materials 264.171 of construction, and compatibility of waste with containers. 264.172 Key words or phrases: Types of containers Ref. 2, Ch. 3; Ref. 26, Sec. II Ref. 2, Ch. 3, Sec. 2 Coating and linings Ref. 2, Ch. 3, Sec. 4; Ref. 26, Container specifications Sec. III Advantages and disadvantages of different types of Ref. 2, Ch. 3, Sec. 5 Containers for storing flammable and combustible liquids Ref. 2, Ch. 3, Sec. G Determining compatibility of wastes Ref. 1, Ch. 2 Ref. 27, Sec. 4 Specific examples of how to determine compatibility Ref. 1, Ch. 2, Sec. II Ref. 1, Ch. 2, Sec. III Binary comparison of chemical constituents Trial mixing of waste Determining of compatibility of the waste with the contain-Ref. 1, Ch. 3; Ref. 2, Ch. 3, Sec. I ment structure Corresion of metals Ref. 1, Ch. 3, Sec. 11 Ref. 1, Ch. 3, Sec. 111; Ref. 2, Protection against corrosion Ch. 3, Sec. 2 Ref. 1, Ch. 3, Sec. IV Properties of materials Ref. 1, App. 1 Ref. 1, App. 2 Ref. 2, Ch. 5-A Corrosion data survey Corrosion properties tables Corrosion inspection (containers) D-1a(2) Container Management Practices
A description of container management practices used to 264, 173 mahageren ensure that hazardous waste containers are always kept closed during storage, except when adding or removing waste, and that hazardous waste containers are not opened, handled, or stored in a manner that may cause them to rupture or to leak. Key words or phrases: Management of containers Ref. 2, Ch. 4 Storage practices Ref. 2, Ch. 4, Sec. B Ref. 2, Ch. 4, Sec. C-1 Condition of containers Ref. 2, Ch. 4, Sec. C-5; Ref. 40, Recovery and reuse of containers pp. 9, 15-16; Ref. 41, pp. 1-5 Ref. 2, Ch. 4, Sec. C-1 Climatic effects Ref. 2, Ch. 4, Sec. C-2 Ref. 2, Ch. 4, Sec. C-3 Container markings

	SUBJECT REQUIREMENT			40 CFR SECTION NOS.	REFERENCES	Provided provided applicable	Comments
	'D-1a(3)	A descripti storage are to hold spi	ea containment system showing capability of system ills, leaks, and precipitation. This secondary t system must have the following documented charac-	122:25(b)(1) :2641175(b)	p. 99-102	Jan Jan	"Solid Coucrete floor?
		D-1a(3)(a)	Requirement for the Base to Contain Liquids The base under the containers must be free of cracks or gaps and sufficiently impervious to contain leaks, spills, and accumulated precipita- tion until the collected material is detected and removed.  Key words or phrases: Adequacy of the containment system Construction and characteristics of base	264.175(b)(1)	Ref. 22, Ch. 4, Sec. 6 Ref. 11, App. 1X		Names.
			materials Potential for waste migration through the base Potential hydraulic impact on the base from loads of waste Foundation base and liners		Ref. 11, Sec. 4.4; Ref. 2, Ch. 4, Seci G Fig. 2, Ch. 4, Ref. 11, Sec. 4.4 Ref. 11, Ch. 3-6, 8; Ref. 11, Ch. 1; Ref. 15, Ch. 3.2.1		"sloping floor" + platus
43	• •	D-1a(3)(b)	Containment System Drainage The base must be sloped or the containment system must be otherwise designed and operated to drain and remove liquids resulting from leaks, spills, or precipitation, unless the containers are elevated or are otherwise protected from contact with accummulated liquids.	122.25(b)(1)(1)(8) 264:175(b)(2)	1/		Show calculations
		ı	Key words or phrases: Drainage system Grading of base Container storage practice Stacking in pallets Stacking on plywood sheets Racks		Ref. 13, Sec. 3, Steps 20-22 Ref. 10, Sec. 8.6 Ref. 2, Ch. 4, Sec. 8 Ref. 2, Ch. 4, Sec. 8-1 Ref. 2, Ch. 4, Sec. 8-1 Ref. 2, Ch. 4, Sec. 8-2		Only give total
		0-1a(3)(c)	Containment System Capacity The containment system must have sufficient capacity to contain 10% of the volume of con- tainers or the volume of the largest container, whichever is greater.	122.25(b)(1)(f)(C) 264.175(b)(3)	11	<u> </u>	conpartnent, show
			Key words or phrases: Containment structure capacity Capacity of accumulated liquid removal system Capacity of run-off collection system Geographic storm intensity/frequency data		Ref. 2, Ch. 4-G Ref. 10, Ch. 4 Ref. 4, Ch. 3-E; Ref. 10, Ch. 4 Ref. 13, Sec. 2, Step 7		Carlon in

DECISION GUIDE (continued) (Process Information - Containers)

	SUBJECT REQUIREMEN	<u>MT</u>		40 CFR SECTION NOS.	REFERENCES	·	Provided provided applicable	Comments	_
	t potential		(3)(d) Control of Run-on Run-on into the containment system must be pre- vented, unless the collection system has suffi- cient excess capacity in addition to that required in the above paragraph to contain any run-on that might enter the system.	122.25(b)(1)(1)(0) 264.175(b)(4)	P99-102		None of None of State	berns 6 roofe	<i>D</i>
	; ; ; ;		Key words or phrases: Containment system auxiliary structures Construction of curbs Construction of dikes Construction of ditches Construction of trenches Construction of berms		Ref. 2, Ch. 4, Sec. G-5 Ref. 4, Ch. 3-D Ref. 15, Ch. 4-6 Ref. 4, Ch. 3-D Ref. 4, Ch. 3-D Ref. 11, Ch. 6.7; Ref. 11, Ch. 5.4.2.12			In inspection trequen	75. ey,
	T <b>D-</b> 2	Spil remo		122.25(b)(1)(1)(E) 264.175(b)(5) 1.7 (1.411)				Testing?	es esq. see t
44		Remo Phys Samp Anal	words or phrases: val of accumulated liquids from the containment system ical and chemical characteristics of accumulated liquids ling methodology ytical methods gement of accumulated liquid	,	Ref. 2, Ch. 4, Sec. G-6; Ref. 10 Ch. 4; Ref. 12, Ch. 4 Ref. 10, Ch. 3 Ref. 6, Sec. 3 Ref. 8, Sec. 3 Ref. 10, Ch. 4	<b>.</b>			
	•	1b(1) Test For free docu	thout Free Liquids  for Free Liquids  areas that store containers of wastes that do not contain liquids, the test procedures and results or other mentation or information must show that the wastes do contain free liquids.	1 122.25(b)(1)(11)(A)	RIDI			Jest procedu	me?
	: :	Key	words or phrases: procedures for free liquids		Ref. 8, Sec. 3.7 13, 15, 15, 15, 15 17, 3, 15, 15 17, 3, 15, 16 17, 3, 15, 16 17, 3, 15, 16 17, 3, 15, 16				

	SUBJECT REQUIREMENT		40 CFR SECTION NOS.	REFERENCES	Provided provided
	74 - 74 (P-16(2)	Description of Containers A description of the facility primary containment devices that includes basic design parameters, dimensions, materials of construction, and demonstration of compatibility of waste with containers.	264. 171 264. 172		
		Key words or phrases: Types of containers Coatings and linings Container specifications Advantages and disadvantages of different types of containers Containers for storing flammable and combustible liquids Determining compatibility of wastes Specific examples of how to determine compatibility Binary comparison of chemical constituents Trial mixing of waste Determining the compatibility of the waste with the containment structure Corrosion of metals Protection against corrosion	gunterang new Linux Year	Ref. 2, Ch. 3; Ref. 26, Sec. II Ref. 2, Ch. 3, Sec. 2 Ref. 2, Ch. 3, Sec. 4; Ref. 26, Seci III Ref. 2, Ch. 3, Sec. 5 Ref. 2, Ch. 3, Sec. 5 Ref. 1, Ch. 2 Ref. 27, Sec. 4 Ref. 1, Ch. 2, Sec. II Ref. 1, Ch. 2, Sec. III Ref. 1, Ch. 3; Ref. 2, Ch. 3, Sec. 1 Ref. 1, Ch. 3, Sec. III; Ref. 2, Ch. 3, Sec. III; Ref. 1, Ch. 3, Sec. III; Ref. 2, Ch. 3, Sec. III; Ref. 1, Ch. 3, Sec. III; Ref. 2, Ch. 3, Sec. IIII; Ref. 2, Ch. 3, Sec. IIII	
۵. n	0-1b(3)	Properties of materials Corrosion data survey Corrosion properties tables Corrosion inspection (containers) Container Management Practices	264, 173	Sec. 2. Ref. 1, Ch. 3, Sec. IV Ref. 1, App. 1 Ref. 1, App. 2 Ref. 2, Ch. 5-A	, A.
		A description of container management practices used to ensure that hazardous waste containers are always kept closed during storage except when adding or removing waste, and that hazardous waste containers are not opened, handled, or stored in a manner that may cause the container to rupture or to leak.			
		Key words or phrases: Management of containers Storage practices Condition of containers Recovery and reuse of containers Climatic effects Container markings Container dating		Ref. 2, Ch. 4 Ref. 2, Ch. 4, Sec. 8 Ref. 2, Ch. 4, Sec. C-1 Ref. 2, Ch. 4, Sec. C-5 Ref. 2, Ch. 4, Sec. C-1 Ref. 2, Ch. 4, Sec. C-2 Ref. 2, Ch. 4, Sec. C-2	
	· 0-1b(4)	Container Storage Area Drainage A description of how the storage area is designed or operated to drain and remove liquids unless containers are otherwise kept from contact with standing liquids.	122.25(b)(1)(ff)(B) 264.175(c)	, , , , , , , , , , , , , , , , , , ,	
		Key words or phrases: Drainage system Grading of base Container storage practice Stacking in pallets Stacking on plywood sheets Racks		Ref. 13, Sec. 3, Steps 20-22 Ref. 10, Sec. 8.6 Ref. 2, Ch. 4, Sec. 8 Ref. 2, Ch. 4, Sec. 8-1 Ref. 2, Ch. 4, Sec. 8-1 Ref. 2, Ch. 4, Sec. 8-2	•

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	REMENT		40 CFR SECTION NOS.	REFERENCES
)-2 <u>Tank</u>				
0-2a	Description of Tanks		122.25(b)(2) 264.191	
	A review of tank design specifications to assume not collapse or rupture. The specifications to shell strength, capacity, pressure controls, for support, and seams.	be reviewed include	204.172	to see the second of the secon
	Key words or phrases: Tank design considerations Types of tanks Tank construction material Tank wall thickness, lining material Tank internal pressure and pressure controls Subsurface and foundation construction Tank design specifications for steel tanks Tank design specifications for concrete tanks	in the second se	3	Ref. 3, Ch. 3 Ref. 3, App. A Ref. 3, Ch. 3-2a through 3-2c Ref. 3, Ch. 3-2b Ref. 3, Ch. 3-1, Ref. 31 Ref. 3, App. C; Ref. 3, Ch. 4, Sec. 8 Ref. 29, 30, 32, 33, 34, 35, 36
D- <i>2</i> b	Tank Corrosion and Erosion  A review of the pertinent characteristics of the material and lining materials to determine correffects with wastes and other materials (i.e.,	osion or erosion	122.25(b)(2)(11) 264.192(a)	
		. #		10. 11. 1. 1. 1. 1. 1. 1.
	Key words or phrases: Tank lining and coating material or other means Corrosion allowances and corrosion and erosion Tank construction compatibility with waste	rates		Ref. 3, Ch. 3-3; Ref. 3, Ch. 3-e Ref. 3, pp. 3-20 to 3-28 Ref. 1; Ref. 3, Ch. 3-2
0-2c	Tank lining and coating material or other means Corrosion allowances and corrosion and erosion	rates	122.25(b)(2)(1v)	Ref. 3, pp. 3-20 to 3-28
0-2c	Tank lining and coating material or other means Corrosion allowances and corrosion and erosion Tank construction compatibility with waste	rates  operating practices waste feed cut-off d maintenance of suffi-	and (v) 264.192(b)	Ref. 3, pp. 3-20 to 3-28

DECISION GUIDE (continued)
(Process Information - Waste Piles)

(Process Information	tion - Waste Piles)			$oldsymbol{\gamma}$
SUBJECT REQUIREME	in <u>t</u>	40 CFR SECTION NOS.	REFERENCES	Not Not Provided applicable Comments
D-3 Waste Pi		1	*	
de to	detailed engineering description of the facility design and/or a stailed description of the facility operating procedure that applies the following:  3a(1) Control of Wind Dispersal	122.25(b)(4)(1)(A)	r.	
,	A description of practices to control wind disposal (e.g., cover or frequent wetting) of hazardous waste in piles.	264.251(a) () () () () () () ()	(	The same of the sa
6 N	Key words or phrases: Control of wind dispersal Water sprays Compaction of pile Siting of pile Dust suppressants (other than water) Stabilizers Wind breaks Enclosures		Ref. 4, Ch. 3-A Ref. 4, Ch. 3-A.3 Ref. 4, Ch. 3-A.2 Refl. 4, Ch. 3-A.1 Ref. 4, Ch. 3-A.4 Ref. 4, Ch. 3-A.5 Ref. 4, Ch. 3-A.6 Ref. 4, Ch. 3-A.7	
<b>0-</b>	3a(2) Control of Run-on Describe the measures to divert run-on away from the pile.	122.25(b)(4)(1) (B)(1) 264.252(b)		
	Key words or phrases: Diversion of run-on Curbs Walls Berms Dikes Trenches Other barriers		Ref. 4, Ch. 3-D Ref. 4, Ch. 3-D Ref. 4, Ch. 3-D Ref. 11, Ch. 5.4.2.12 and Ch. 6.7 Ref. 15, Ch. 4.6 Ref. 4, Ch. 3-D Ref. 4, Ch. 3-D	
D-	3a(3) Collection of Leachate and Runoff Describe leachate and runoff collection and control system.	122.25(b)(4)(1) (8)(2) 122.25(b)(4)(1) (c)(2) 264.251(b) 264.252(c) 264.253(a)(1)(2)	tor, the second of the second	
	Key words or phrases: Leachate and runoff control systems System components for detection of leachate System components for collection of leachate System components for control of leachate and runoff Pile base and liner(s) type Leachate management Leachate disposal options Leachate treatment technologies	- Continue Application of the	Ref. 4, Ch. 3-E; Ref. 10, Ch. 4 Ref. 4, Ch. 3-E; Ref. 10, Ch. 4 Ref. 11, App. V Ref. 4, Ch. 3-E; Ref. 10, Ch. 4 Ref. 11, Ch. 1; Ref. 11, Ch. 3.1 Ref. 10, Sec. 4 Ref. 10, Sec. 5	

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SUBJECT REQUIREMENT	•	40 CFR Section Nos.	REFERENCES
D-3a(4)	foundation Description of the foundation supporting the bas demonstrates the foundation is capable of supporting the base or liner and the waste pile.	ting the base 264.253(b)(2)	
	<u>Key words or phrases:</u> Foundation construction information Foundation material Foundation weight-loading and stress limitations		Ref. 4, Ch. 3-F-2 Ref. 11, Ch. 5.2.4.4
D-3a(5)	Waste Pile Base D-3a(5)(a) Containment System Design Description of the design specificat pile base or liner(s), that includes estimated containment life of the base permeability and thickness of the list characteristics of the waste or leach the liners are exposed; demonstration are of sufficient strength and thicks prevent failure; and estimated life of hazardous waste pile (containment system)	the (b)(4)(1)(B)(5) se; 264.253(a) ner(s); 264.253(b) net to which n that liners ness to of the	
	have a containment life equal to or a the life of the pile).  Key words or phrases: Pile base and liner(s) type Permeability of the liner Thickness of the liner Breaking strength of liner (minimum liner strength of liner(s) Weathering information (i.e., high/letter impacts and exposure to ultravious compatibility with waste pile and was leachate	lbs.)  w tempera- lolet rays	Ref. 11, Ch. 1, Ch. 3.1 Ref. 11, App. IX Ref. 11, Ch. 3-6, 8 Ref. 4, Ch. 3-F-1
	Liner performance/life factors Estimated life of the hazardous waste  B-3a(5)(b) Leachate Detection Collection and Rer If the base liner(s) are not of suffi strength and thickness to prevent fai of physical damage from equipment use and expose the liner surface for ins a description of the leachate detect tion, and removal system beneath the detect, contain, collect, and remove charge is required. The system place the water table must be demonstrated, description of any necessary efforts the water table to comply with with re-	noval System (B)(6) (i) (B)(6) (i	Ref. 15, Ch. 3.2.1 Ref. 3, Sec. C
	Rey words or phrases: Relationship of leachate systems to g table Ground water controls	pround water	Ref. 4, Ch. 3-F-3 Ref. 15, Ch. 4.8.3

DECISION	GUIDE	(conti	nued)	
(Process	Inform	mation	- Waste	Piles)

	SUBJECT REQUI	REMENT		40 CFR SECTION HOS.	REFERENCES	Not Not Comments
•		D-3a(6)	Vegetation and Rodent Control A description of efforts to protect the containment system from vegetation growth or other possible problems that could damage any component of the system.	122.25(b)(4)(1) (C)(1) 264.253(c)		
	;	F 11 .	nodesics peac management	7e (. 15(e.)	Ref. 11, Ch. 6.7.1 Ref. 11, Ch. 6.7.2	The state of the s
		0-3a(7)	Equipment and Procedures for Waste Pile Movement A description of the facility equipment and operation procedures used when adding waste to the pile or removing waste from the pile to clean and expose the liner surface.	122.25(4)(1)(C)(3)	1	
		14A DA	Key words or phrases: Equipment Procedures		Ref. 11, App. 4 Ref. 11, App. 4	
	<b>U-30</b>	A detail	les Without Free Liquids  ed engineering description of the facility design and/or a l description of the facility operating procedures that applies following:	( 471 B )		
49		D-3b(1)	Test for Free Liquids For waste piles used to store or treat only hazardous wastes that do not contain free liquids under the special require- ments of \$264-250(b), a demonstration of compliance with those requirements including:	122.25(b)(4)(f1)(A)	t. I	
		, F ; .	Test procedures and results or other documentation or information to show that wastes do not contain free liquids and the wastes will not generate leachate by decomposition or other reactions while the waste is in the pile.	g de goot	ne gradina, na talina	to the second of
			Key words or phrases: Analytical methods for waste analysis of free liquids Leachate generation Waste pile sampler Sampling waste piles		Ref. 7, Sec. 3.7 Ref. 10, Sec. 1; Ref. 10, Sec. 2. Ref. 42, pp. 19-20 Ref. 42, pp. 38	
-			Control of Wind Dispersal A description of how the pile is protected from dispersal of the waste by wind (by means other than wetting), where neces- sary.	122.25(b)(4)(ff)(C) 264.250(b)(4)		
		·	Key words or phrases: Control of wind dispersal Compaction of pile Siting of pile Dust suppressants (other than water) Stabilizers Wind breaks Enclosures		Ref. 4, Ch. 3-A Ref. 4, Ch. 3-A.2 Ref. 4, Ch. 3-A.1 Ref. 4, Ch. 3-A.4 Ref. 4, Ch. 3-A.6 Ref. 4, Ch. 3-A.6 Ref. 4, Ch. 3-A.7	

DECISION GUIDE (continued)
(Process Information - Waste Piles; Procedures to Prevent Hazards)

	SUBJE	T REQUI	REMENT		40 CFR SECTION NOS.	REFERENCES	·	Prev	1ded provid	ed applicable	Corments	ĵ
	. •	A 1		Protection From Precipitation and Run-on A description of how the pile is protected from precipitation by a structure so that neither runoff nor leachate is generated that includes a detailed description of the structure. A description of how the pile is protected from surface water run-on.  Key words or phrases: Siting of pile Enclosure structures	122.25(b)(4)(ff)(8) 1264.250(b)(2) 264.250(b)(3) 1	Ref. 4, Ch. 3-A.1 Ref. 4, Ch. 3, Sec. A-7		-	orane.			The state of the s
			D-3b(4)		122.25(b)(4)(ff) (0)(2) 264.250(b)(1)	Ref. 7, Sec. 3.7 Ref. 10, Sec. 7.3.1						
	_		nce Impoun	dments (Reserved)								
	E. GI	NOUND WA	TER MONITO	RING (RESERVED)						<b>/</b> 1	· •	
50	F. PF	OCEDURE	S TO PREVE	NT HAZARDS			<i>,</i> .				,	
	F-	1 <u>Secu</u>	rity			025			<del>-</del>			
		F-1a		Procedures and Equipment waiver is granted, the facility must demonstrate the g:	264.14 122.25(a)(4)	# 20		-1/-		*	- Very Secur	<u> </u>
				24-hour Surveillance System A 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel) that continuously monitors and controls entry onto the active portion of the facility; or	264.14(b)(1)			•				
				Key words or phrases: Security systems and procedures		Ref. 49		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
			F-1a(2)	Barrier and Means to Control Entry F-la(2)(a) Barrier An artificial or natural barrier (e.g., a fence in good repair or a fence combined with a cliff), that completely surrounds the active portion of the facility; and	264.14(b)(2)(1)			•	· · · · · · · · · · · · · · · · · · ·			
				Key words or phrases: Security systems and procedures		Ref. 49	,	• •				

DECISION GUIDE (continued)
(Procedures to Prevent Hazards).

. <b>s</b> u	BJECT REQUIR	EMENT		40 CFR SECTION NOS.	REFERENCES	Not Not Provided provided applicable Comments
	1 11	,	F-la(2)(b) Means to Control Entry A means to control entry, at all times, through	264.14(b)(2)(11)		
٠		F (* )	the gates or other entrances to the active por- tion of the facility (e.g., an attendant, televi- sion monitors, locked entrance, or controlled roadway access to the facility).	201.174	( 1, 2, 3), (	
		F-1a(3)	Warning Signs The facility must have a sign with the legend, "Danger - Unauthorized Personnel Keep Out," which must be posted at each entrance to the active portion of the facility and at other locations, in sufficient numbers to be seen from any approach to this active portion. The legend must be written in English and in any other language predominant in the area surrounding the facility and must be legible from a distance of at least 25 feet. Existing signs with a legend other than "Danger - Unauthorized Personnel Keep Out" may be used if the legend on the sign indicates that only authorized personnel are allowed to enter the active portion, and that entry onto the active portion can be dangerous.	264.14(c) 1 (c) (c) (c)	1.7. P. 25 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
	F-1b	Waiver		264.14(a)	r ( - r !	
			ver of these requirements is requested, the owner or operator wonstrate the following:			Programme and the second secon
51		F-1b(1)	Injury to Intruder Physical contact with the waste, structure, or equipment within the active portion of the facility will not injure unknowing or unauthorized persons or livestock that may enter the active portion of a facility; and	264.14(a)(1)	Ref. 24, Ch. 5, Secs. 2 and 4  P. C. D. Theory, Supplied to 1, 17  P. C. D. Theory, Supplied to 2, 17  P. C. 27	
		F-1b(2)	Violation Caused By Intruder  Disturbance of the waste or equipment by the unknowing or unauthorized entry of persons or livestock onto the active portion of a facility will not cause a violation of the	264.14(a)(2) <sub>)</sub>	Ref. 24, Ch. 5, Secs. 3 and 4	
			requirements of this part.	<ul><li>(1) (1) (1)</li></ul>	1. 4、4.1	the state of the s
			Key words or phrases for both F-1b(1) and (2): Nature and extent of hazard potential from wastes Duration of hazard potential Equipment and structures to minimize the potential for an intruder to cause a spill; mix incompatible wastes, ignit- ible or reactive wastes; damage containment systems; damage monitoring systems Features that prevent contact with waste	2 3 \$ (14 <b>8)</b> (2 <b>)</b>	Ref. 28, pp. 331-1106; Ref. 44; Ref. 46	
			· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·

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SUBJECT REQUIREMENT	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable Comments
F-2a General Inspection Requirements	122.25(a)(5) 264.15 264.15(a) and (b)	R 28-29	
A description of the facility schedule for inspection of monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment that are vital to prevent, determined or respond to environmental or human health hazards. (Schedule must be kept at the facility.)	264.33 g ct.		
Key words or phrases: Honitoring Equipment Examples: Flow and liquid level monitors Leachate monitors Hazardous gas detectors Safety and Emergency Equipment Examples: Respirators Communication systems Alarm systems Emergency lighting Smoke detectors Fire protection equipment First aid equipment Decontamination equipment Security Devices Examples:	201 in 11 y	Ref. 45, Ch. 9 Ref. 25, Vol. 12 Ref. 25 Ref. 25 Ref. 25 Ref. 25, Vol. 1	
Surveillance systems Barriers surrounding facility Locking devices Operating and Structural Equipment Examples: Spill detection devices Spill control and collection equipment Fire and explosion barriers Ventilation equipment F-2a(1) Types of Problems	264.15(b)(3)	1.28-32	Inspection builder
The schedule must identify the types of problems to look iduring the inspection.  F-2a(2) Frequency of Inspection A description of the frequency of inspection for items on schedule. The frequency of inspection should be based on rate of possible deterioration of equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or operator error goes undeted between inspections. (Areas subject to spills, such as loing and unloading areas, must be inspected daily when in use.)	264.15(b)(4) the the ie	p.26-33	Freeboard not referenced

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. <u>su</u>	BJECT REQUI	REMENT			40 CFR SECTION NOS.	REFERENCES	, h.	Not Not Provided applicable	Comments
	F-2b	Specific	Process Inspection Requirements		<i>;</i>		A 19	1 1	10-10-6
		F-2b(1)	Container Inspection Documentation of weekly inspections of container storage area for deterioration causer other factors.		264. 174	Ref. 2, Ch. 5	P. 28		barrel Storage Twee
			Key words or phrases: Evaluation of an inspection plan including re procedures			Ref. 2, Ch. 5-C	431.		transporter gotter
			External inspection-visual maintenance check containers	for corresion of		Ref. 2, Ch. 5-A		the second	Pact 1
	5-5		Visual inspection check of the storage area a system	and containment	T ( Days)	Ref. 2, Ch. 5-8.1			
		•	Testing of auxiliary features Inspection procedures		1 (1962)   1 (1964)	Ref. 2, Ch. 5-8.2 Ref. 21, App. G			
•	1		Tank Inspection Documentation of daily or weekly inspection p facility owner or operator of the following:	procedures by the	264.194(a) and (b)		P.30		
υ ω	* *.		F-2b(2)(a) Tank Construction Materials The construction materials of the portions of the tank to detect co erosion and leaking of fixtures a (weekly).	rrosion or	264.194(a)(4)	Ref. 82			
-	<b>n</b> - 4		Key words or phrases: Tank exterior inspection General inspection procedures Inspection of prestressed concret	e tanks		Ref. 3, Sec. 4-B; Ref. 8; Ref. 21, App. G; Ref. 82 Ref. 37			In Implovidus
			F-2b(2)(b) Tank Surrounding Area The area immediately surrounding detect obvious signs of leakage (	the tank to	264.194(a)(5)	Ref. 82		7 70	mait dismised of all
		ı	F-2b(2)(c) Tank Overfilling Control Equipmen Overfilling control equipment (e. cutoff systems and bypass systems working order (daily).	g., waste-feed	264.194(a)(1)	Ref. 82		Sall	no won form of
			F-2b(2)(d) Tank Monitoring Data Data gathered from monitoring equ pressure and temperature gauges) ensure that the tank is operated design specifications (daily).	ipment (e.g., where present to	264.194(a)(2)			~ 1	Tort, not
			Key words or phrases: Example of corrosion monitoring s	ystem		Ref. 38			newer maybe.

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SUBJECT REQUIREMENT	•		40 CFR SECTION NOS.	REFERENCES	Provided applicable Comments
	F-2b(2)(e)	Tank Level of Maste The level of waste in uncovered tanks to ensure maintenance of sufficient freeboard to prevent overtopping by wave or wind action, or by preci- pitation (daily).	264.194(a)(3)	8.33	
		Key words or phrases: Inspection of ancillary equipment Sampling a storage tank		Ref. 3, Ch. 4-D; Ref. 82	
4.3	F-2b(2)(f)	Tank Condition Assessment The schedule and procedure for assessing the condition of the tank. Procedure must be adequate to detect cracks, leaks, or wall thinning to less than sufficient shell strength.	264.194(b)	p.29	
<b>ç</b> - 91	•	Key words or phrases: Frequency of inspection Tank internal inspection	greens M	Ref. 3, Ch. 4-E; Ref. 82 Ref. 3, Ch. 4-C; Ref. 82	Mit discusced
\$ 1	F-2b(2)(g)	Tank Interior Inspection Documentation of established procedures for emptying a tank to allow entry and inspection of the interior to detect corrosion or erosion of the tank sides and bottom.	264.194(b)		
1-1-		Key words or phrases: Entry of tanks for inspection Tank internal inspection	to the transfer	Ref. 51, Sec. 1910.94(d)(11); Ref. 82 Ref. 3, Ch. 4-C; Ref. 82	the first section of the section of
F-Zb(3)	Waste Pile Documentati constructio	Inspection on of inspection of the waste pile during n or installation of the following:		•	
	F-2b(3)(a)	Liner Systems Inspection of liner systems for uniformity,	264.254(a)(1)	Rof. To deep I	
; t		damage, and imperfections (e.g., holes, cracks, thin spots, and foreign materials).	177,14-3(-413)	Ref. of Co. 20	and the second of the second o
	F-2b(3)(b)	Manufactured Liner Materials Manufactured liner materials (e.g., membranes, sheets, and coatings) to ensure tight seams and	, 264.254(a)(2)		
‡ * * * * · · · · · · · · · · · · · · ·		joints and the absence of tears or blisters.	######################################		And the second of the second o
$t \cdot h =$		Mark Company	177, 251 (30, 10)		
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DECISION GUIDE (continued)
(Procedures to Prevent Hazards)

SUB	JECT REQUIREMENT		40 CFR SECTION NOS.	REFERENCES	Provided provided	Not comments
	) F-1	2b(3)(c) Containment System Inspection of the containment system whenever any indication of possible failure is indicated.	264. 255	<del>.</del>		
		Key words or phrases: Liner installation process Quality control Liner failure mechanisms Physical failures Biological failures Chemical failures Inspection procedures		Ref. 11, App. IV Ref. 11, Sec. 5.4.5 Ref. 11, Sec. 4.7 Ref. 11, Sec. 4.7.1 Ref. 11, Sec. 4.7.2 Ref. 11, Sec. 4.7.3 Ref. 21, App. G	1. <b>13</b> 8	
	inspections	tion on of procedures for remedial actions to be taken when reveal problems or potential problems. (This section can occedures in the contingency plan.)	264.15(c) 264.194(c) 264.255	Front's		
	F-2d <u>Inspection (</u>	<u>.og</u>	264.15(d)			
	A copy of the	ne inspection log should be provided that includes the inspector, observations, and remedial actions taken.				is // 4
	F-3 Waiver of Prepared	ness and Prevention Requirements	122.25(a)(6) 264.32 264.35		<u> </u>	W/A
G G	If a waiver of any following must be	preparedness and prevention requirement is sought, the provided:			•	
	F-3a Equipment Re	quirements ,	264. 32		·	
	A demonstrat the facility below:	ion that none of the hazards posed by waste handled at could require a particular kind of equipment specified	٠.			
	Ān	ernal Communications Internal communications or alarm system capable of widing immediate emergency instruction (voice or signal) facility personnel.	264.32(a)			
	A d sce ing	ernal Communications levice, such as a telephone (immediately available at the one of operations) or a handheld two-way radio, for summon- emergency assistance from local police departments, fire artments, or state or local emergency response teams.	264.32(b)	•		+

DECISION GUIDE (continued) (Procedures to Prevent Hazards)

SUBJECT REQUIREMENT	40 CFR SECTION NOS	REFERENCES 5	Provided provided applicable Comments
(including special ex	uishers, fire control equipment ktinguishing equipment, such as that s, or dry chemicals) spill control		N/A
Key words or phrases: Fire control equipmen		Ref. 25, Secs. 4-7; 5-5, 6-8, 8-6, 9-4; Ref. 28, Sec. 7; Ref. 48; Ref. 50; Ref. 101	
F-3a(4) Water for Fire Contro Water at adequate vo streams, foam product water spray systems.	Time and pressure to supply water hose Ing equipment, automatic sprinklers, or		
F-3b Aisle Space Requirement	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
panied by a demonstration that unobstructed movement of perso		for the form of the second sec	
for the following:	res, or equipment used at the facility"	053	the vary duty
F-4a <u>Unloading Operations</u>	122.25(a)(8)(1	J ~	- The Day of the state of the s
Prevention of hazards in unloa special forklifts). <u>Key words or phrases:</u> Handling of hazardous material	ding operations (e.g., use of hamps or the second of the s	Ref. 28, Sec. 7	
F-4b Runoff	122,25(a)(8)(f	) Ref. 95; Ref. 73	
Prevention of runoff from haze areas of the facility or envir berms, dikes, trenches).	ordous waste handling areas to other conment, or prevention of flooding (e.g.,	(1) (1) (1) (1) (1) (1) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
F-4c Water Supplies	in the second of the second of the 122.25(a)(8)(4)	1)	
Prevention of contamination of			
F-4d Equipment and Power Failure	122.25(a)(8)(iv	) in the second speed of the 2.2.3	V/W _ Decking fower /
Mitigation of effects of equip	ment failure and power outages.	in the second country as a state of the second seco	a baildset

SUBJECT REQUIREMENT	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable Comments
F-4e Personnel Protection Equipment	122.25(a)(8)(v)	0.41./	
Prevention of undue exposure of personnel to hazardous waste (e.g., protective clothing).	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7.44	
Rey words or phrases: Respirators Protective clothing General OSHA requirements OSHA requirements for eye protection OSHA requirements for face protection OSHA requirements for foot protection OSHA requirements for foot protection		Ref. 45, Ch. 4-7; Ref. 51, Sec. 1910.134 Ref. 39, Ch. 2, Part 4 Ref. 51, Sec. 1910.132 Ref. 51, Sec. 1910.133 Ref. 51, Sec. 1910.133 Ref. 51, Sec. 1910.132 Ref. 51, Sec. 1910.135	
F-5 Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes	the trabellings of		1
F-5a Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste	122.25(a)(9) 264.17(a)	Ref. 102	
A description of the precautions taken by a facility that handles ignitable or reactive waste to prevent actual ignition, including separation from sources of ignition such as open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical, or mechanical), spontaneous ignition (e.g., heat producing chemical reactions), and radiant heat. Demonstration that when ignitable or reactive waste is being handled, the owner or operator confines smoking and open flames to specially designated locations. "No Smoking" signs must be conspicuously placed wherever a hazard exists from ignitable or reactive waste.		4.50	
F-5b General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Waste	122.25(a)(9) 264.17(b)	Ref. 102	
A description of the precautions taken by a facility that treats, stores, or disposes of ignitable or reactive waste, or accidentally mixes incompatible waste or incompatible wastes and other materials, to prevent reactions which: (1) generate extreme heat or pressure, fire or explosions, or violent reactions; (2) produce uncontrolled flammable fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; (3) produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; (4) damage the structural integrity of the device or	on the second	P. 53	not easign détail
facility; (5) by similar means threaten human health or the environment.  Key words or phrases: Definition of incompatible waste		Ref. 1, Ch. 1	and the second of the second o

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SUBJE	CT REQUIR	REMENT	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable Comments
	F-5c	Management of Ignitable or Reactive Wastes in Containers	122.26(b)(1)(11) 264.176	P. 1975	
	•	Sketches, drawings, or data demonstrating that containers of ignitable or reactive waste are located at least 15 meters (50 feet) from the facility's property line.	·	V / L' (	
·		Key words or phrases: Buffer zones Container separation Flammable and combustible liquids code information	entropy of the second of the s	Ref. 2, Ch. 4, Sec. F; Ref. 25 Ref. 2, Ch. 4, Sec. F; Ref. 25 Ref. 25, Ch. 1, Ch. 4	and dicineal
	F-5d	Management of Incompatible Wastes in Containers	122.25(b)(1)(iii) 264.177	organisation of the state of th	100 - 01343300
***	 	Description of: (1) the procedures used to ensure that incompatible wastes and materials are not placed in the same container or in an unwashed container that previously held incompatible waste, and (2) dikes, berms, walls, or other devices used to separate wastes in containers, piles, open tanks, or surface impoundments.	')		
	ć	<u>Key words or phrases:</u> Storage requirements for incompatible waste Case histories of accidents caused by mixing incompatible wastes	11871 - 128	Ref. 1 	V. not alscussed
	F-5e	Management of Ignitable or Reactive Wastes in Tanks	122.25(b)(2)(vi) 264.198		
55 &		A description of the operational procedures used for storing such wastes in tanks that includes specific information on: (1) how the waste is treated, rendered, or mixed before or immediately after placement in the tank so that it is no longer considered ignitable and complies with \$254.17(b); or the waste is stored or treated in such a way that it is protected from any material or conditions that may cause the waste to react or ignite; or the tank is used solely for	30 50 - 50	· · · · · · · · · · · · · · · · · · ·	
		emergencies, (2) how facilities that treat or store ignitable or reactive waste in covered tanks comply with the National Fire Protection Association's buffer zone requirements for tanks.	122.25(b)(2)(v1) 264.198(b)	The state of the s	CN only in faults in
		<u>Rey words or phrases:</u> Special requirements for ignitable or reactive wastes NFPA buffer zone requirements		Ref. 1, Ch. 2; Ref. 5; Ref. 8, Sec. 2.2.1 Ref. 25, Tables 2-1 thru 2-6	Vill lightes
	F-5f	Management of Incompatible Wastes in Tanks	122.25(b)(2)(v1) 264.199(b)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
,		A statement that incompatible wastes and materials are not stored in the same tank of in an unwashed tank that previously held an incom- patible waste or material.		,	but deficable
		Key words or phrases: Special requirements for incompatible wastes NFPA buffer zone requirements		Ref. 1, Ch. 2; Ref. 5; Ref. 8, Sec. 2.2.1 Ref. 25, Tables 2-1 thru 2-6	tantis may suttid

DECISION GUIDE (continued) (Procedures to Prevent Hazards)

	SUBJECT	<u>RÉQUIREMENT</u>	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable Comments
	į.	F-5g Management of Ignitable or Reactive Wastes in Waste Piles	122.25(b)(4)(111)	14. 1 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
		A detailed description of the facility operating procedures that demonstrate the following special requirements for ignitable or reactive waste: (1) ignitable or reactive waste is placed in a pile only if the addition of the waste to an existing pile results in the waste or mixture no longer meeting the definition of ignitable or reactive waste under \$261.21 or 261.23, and it complies with \$264.17(b); or (2) preventive measures are taken to protect the wastes from conditions that might cause it to ignite or react.	264. 256 261. 23 261. 21	ref. *	
	Çiri\$	Key words or phrases: Special procedures for management of ignitable and reactive waste Buffer zones	. S. (* )	Ref. 1: Ref. 4, Ch. 3-G Ref. 5, pp. VI-24 thru VI-25	
		F-5h Management of Incompatible Wastes in Waste Piles	122.25(b)(4)(iii) 264.257	·	
		A detailed description of the facility operating procedures that demonstrate the following special requirements for incompatible waste:	201.231		
		(1) Incompatible waste is placed in the same pile only if \$264.17(b) is complied with. (2) Adequate buffer or protection of incompatible waste piles from other wastes or material stored on the facility is provided. (3) Previous bases where incompatible wastes or materials were piled must be sufficiently decontaminated to ensure compliance with \$264.17(b) if the base is to be reused for hazardous waste.	1.090	in	The same of the sa
59		Key words or phrases: Special procedures for management of incompatible waste Utilization of buffer structures Base liner decontamination		Ref. 1 1 1 1 1-43	
	G. CONT	INGENCY PLAN	122.25(a)(7) 264.50 thru		
	(SPC faci sudd	py of the Contingency Plan or Spill Prevention Control and Countermeasures C) Plan amended for hazardous waste management to describe the actions lity personnel will take in response to fires, explosions, or any unplanned en or nonsudden release of hazardous waste or hazardous waste constituents to soil, or surface water at the facility.	264.56		
		<u>words or phrases:</u> 1 Prevention Control and Countermeasure Plan Amendment	264.52(b)	Ref. 24, Ch. 2, pp. 2-31, 2-52, and 2-53	
	G-1	General Information		લ્લો લોકો કો કરો છે.	
		Facility name and location, operator, site plan, and description of facility operations.		Ref. 24, Ch. 2, pp. 2-15 thru 2-18, pp. 2-45 thru 2-46	

	(00	.g			•		•
	SUBJECT	REQUI	REMENT	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable	Comments
	G-2	Emery	gency Coordinators	264.52(d)	Ref. 24, Ch. 2, pp. 2-18, pp. 2-46	1/	
		alte	s, addresses, office and home phone numbers, and duties of primary and rnate coordinators and statement of authorization of coordinator to it necessary resources to plan.	264.55	P25-38		
	G-3	Imp1	ementation	264.52(a) 264.56(d)	1, 3	<u> </u>	
		A des	scription of how and when the contingency plan will be implemented.	204.50(0)	The second secon		
		Key t	words or phrases: eria for implementation for spills, fire, and explosions		Ref. 24, Ch. 2, pp. 2-18, 2-19, and 2-46 thru 2-49		
	G-4	Emery	gency Response Procedures				
		G-4a	<u>Motification</u>	264.56(a)			<u> </u>
			Methodology for immediate notification of facility personnel and necessary state or local agencies.				
		G-4b	Identification of Hazardous Materials	264.56(b)	Ref. 24, Ch. 2, pp. 2-23, 2-48, and 2-49	<u></u>	
ው			Procedures for identification of hazardous materials involved in the emergency.				
0		G-4c	Assessment	264.56(c) 264.56(d)	Ref. 24, Ch. 2, pp. 2-23, 2-24, 2-48, and 2-49		
			Policy for assessment of possible hazards to the environment and human health and need for evacuation and notification of authorities. The authorities to be notified should include the on-scene coordinator for that area or the National Response Center.	1	₹. • • •		<u>†</u>
			Key words or phrases: Incident characterization Physical and chemical properties of chemicals involved in the emergency		Ref. 39, Ch. 1, Part 2 Ref. 28, pp. 331-1106; Ref. 44; Ref. 46		
			Potential hazards of chemicals involved (e.g., generation of hazardous gases) Sources of information and response assistance		Ref. 39, Ch. 1, Part 3; Ref. 44; Ref. 46 Ref. 39, Ch. 1, Part 7		•
		G-4d	Control Procedures	264.52(a)	Ref. 24, Ch. 2, pp. 2-25, 2-26, 2-48	<u> </u>	
	•		Specific control procedures to be taken in the event of a fire, explosion, or release.		to 2-50; Ref. 10 f. 42		
		*	Key words of phrases: Types of on-site emergency equipment to be used		Ref. 39, Ch. 4, Part 1, pp. 1-8 thru		and the second of the second
			Spill control and collection		1-12 Ref. 39, Ch. 4, Parts 2 and 3; Ref. 47		• .
					•		•

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ECT REQUIRE	EMENT	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable	Comments
G-4e	Prevention of Reoccurrence of Spread of Fires, Explosions, or Releases	264.56(e)	Ref. 24, Ch. 2, 2-24 to 2-25, pp. 2-49	7	:
	Necessary steps to be taken to ensure that fires, explosions, or releases do not occur, reoccur or spread to other hazardous waste at the facility.	(1) 1, ₹3.	B. 42-43		
	Key words or phrases: Stopping processes and operations Collecting and containing released waste Removing or isolating containers		Ref. 47	42+43	expand on " flush
G-4f	Storage and Treatment of Released Material	264.56(g)	Ref. 24, Ch. 2, pp. 2-25 thru 2-26, 2-49 thru 2-50		- 4 civain to appropria
	Provisions for treatment, storage, or disposal of any material that results from a release, fire, or explosion at the facility.				(Hes /s line -
	Key words or phrases: Treatment methodology Decontamination	a radio	Ref. 39, Ch. 4 Ref. 39, Ch. 3		(Mar / blon Haz)
G-4g	Incompatible Waste	264.56(h)(1)	Ref. 24, Ch. 2, pp. 2-25 thru 2-26, 2-49 thru 2-50	V	
	Provisions for prevention of incompatible waste from being treated, stored, or located in the affected areas until cleanup procedures are completed.		CITE 2-30		not discussed
G-4h	Post-emergency Equipment Maintenance	264.56(h)(2)	The first of the second of the	<i></i>	
	Procedures for ensuring that all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.	7.375	Ref. 24, Ch. 2, pp. 2-25 thru 2-26, 2-49 thru 2-50	And the second s	Re!
G-41	Container Spills and Leakage	264.171			Wer pack on
	Specification of procedures to be used when responding to container spills or leakage that includes procedures and timing for expeditous removal of spilled waste and repair or replacement of the con-		in, to the include of the		Water 7
	tainer(s).  Key words or phrases:	£ 7.5%(1)		The state of the s	notive of leak
	Steps to take if a container is not in good condition Cleanup resource and techniques Incident mitigation		Ref. 2, Ch. 4, Sec. C-4 Ref. 39, Ch. 4, Part 2 Ref. 39, Ch. 4, Part 3	* * * * * * * * * * * * * * * * * * *	in 145 thin
1					The restion Our
					this pection con
				•	P 28 -
			• •		no discussion other

SUBJ(	ECT REQUII	REMENT		40 CFR Section Nos.	REFERENCES	Provided	Not Not previded applicable	Comments
	G-4j	Tank Sp	ills and Leakage	264.194(c)	p 22 Tank	100		}
		operator	tation of the procedures to be used by the facility owner or r to respond to tank spills or leakage that includes procedures ing for expeditious removal of leaked or spilled waste and of the tank.	:	P. 30 Tangs bu P. 104 - Conta	uneut		
		Response	ds or phrases:  to leaks and spills resources and techniques t mitigation	149	Ref. 3, Ch. 4-F Ref. 39, Ch. 4, Part 2 Ref. 39, Ch. 4, Part 3 Ref. 25, Sec. 2.0 thru 2.33			
	G-4k	Weste P	<u>lles</u>					M//L
		G-4k(1)	Waste Pile Containment System Failures Documentation describing how indications of possible failure of the waste pile containment system will result in inspec- tion of that system in accordance with the provisions of the containment system evaluation and repair plan. Indications of possible failure of the containment system include: liquid detected in the leachate detection system (where applicable); evidence of leakage or potential of leakage in	264.51(a) 264.255(a)				
62			the base; erosion of the base; and apparent or potential deterioration of liner(s) based on observation or test samples of liner materials.	· ·				
			Key words or phrases: Containment system repairs and contingency plans Cleanup resources Incident mitigation		Ref. 4, Ch. 4-8 Ref. 39, Ch. 4, Part 2 Ref. 39, Ch. 4, Part 3			
		G-4k(2)	Elements of a Containment System Evaluation and Repair Plan A containment system evaluation and repair plan describing testing and monitoring techniques; procedures to evaluate the integrity of the containment system if a possible failure occurs; a schedule of actions to be taken during a possible failure; and a description of repair techniques to be used if leakage occurs because of containment system failure or deterioration that does not require the waste pile to be removed from service.	264.255(d)(2)				
			Key words or phrases: Contingency plan content and organization		Ref. 24, Sec. B, Ch. 2	•		

		1	,	40 CFR	DEFENENCE	Ret Not Provided provided applicable Comments
	SUBJECT	REQUIREMENT G-4k(3)	Criteria for Removal of Waste Pile From Service in Case of Positive Failure of the Containment System A description of the procedures for removing a waste pile	SECTION NOS. 264.255(b) and (c) 264.255(d)(1)	REFERENCES	
•		t	from service whenever a positive indication of failure of the Containment System exists. Indications of positive failure of the containment system include: waste detected in the leachate detection system (where applicable); breach of the base (i.e., a hole, tear, crack, or separation). If the	7.1.20 <b>1)</b>	C. T. De, Ca.	
	•	Property of the second	waste pile must be removed from service, the owner will immediately stop adding wastes to the pile, immediately contain any leakage which has or is occurring; immediately cause the leak to be stopped; and if the leak cannot be stopped by any other means, remove the waste from the base.	Y Ead 'y	12. 1 - 2 12 - 5	
		•	Key words or phrases: Inspection of liners Containment system repairs and contingency plans		Ref. 4, Ch. 4-A Ref. 4, Ch. 4-B	
			Restoration of a Waste Pile to Service  Demonstration that if a waste pile has been removed from service, it will be restored only if: (1) the containment system has been repaired; and (2) the containment system has been certified by a qualified engineer as meeting the design specifications approved in the permit.	264.255(e)	$\begin{aligned} & \partial_t \mathbf{r} \cdot \mathbf{r} = \mathbf{r} \cdot \mathbf{r} \\ & \mathbf{r} \cdot \mathbf{r} = \mathbf{r} \cdot \mathbf{r} - \mathbf{r} \cdot \mathbf{r} \end{aligned}$	
63			Key words or phrases: Containment system repairs		Ref. 4, Ch. 4-B	
			Nonrepair of Waste Piles Removed From Service Demonstration that if a waste pile that has been removed from 2 service in accordance to the aforementioned requirements is not being repaired, it will be closed in accordance with \$264.258.	264. 255(f) 264. 258	en e	- Personniel eguip
			Key words or phrases: Removal of hazardous wastes		Ref. 15, Sec. 4.2 to 4.4	
	G-5	Emergency Equi		264.52(e)	1, ,	
		Key words or pl	and collection equipment		Ref. 47 Ref. 24, Ch. 2, pp. 2-27 to 2-30, pp. 2-50 to 2-51; Ref. 39, Ch. 4, Part 1, pp. 1-8 to 1-12	P138
		Fire control e Respirators Protective clo			Ref. 28, Sec. 7; Ref. 48; Ref. 50 Ref. 45, Ch. 5; Ref. 39, Ch. 2, Part 3 Ref. 39, Ch. 2, Part 4	on when the

DECISION GUIDE (continued)
(Contingency Plan, Personnel Training)

SUBJECT	<u>REQUIREMENT</u>	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable	Comments
G-6	Coordination Agreements	264.52(c)	Ref. 24, Ch. 2, pp. 2-30 to 2-31, 2-52 to 2-52		not in teritur
, . T	A description of coordination agreement with local police and fire departments, hospitals, contractors, and state and local emergency response teams to familiarize them with the facility and actions needed in case of emergency. Documentation of refusal to enter into a coordination agreement.	<b>264.37</b> (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	7.38		not requires
G-7	Evacuation Plan	264.52(1)			Signed for expenses
	A description of signal(s) to be used to begin evacuation routes, and planned and alternate evacuation routes.		ty to a section to avain		not spertu
	Key words or phrases: Criteria and signals to begin evacuation Planned and alternate evacuation routes	· . · · · · •	Ref. 24, Ch. 2, pp. 2-32, 2-52 Ref. 24, Ch. 2, pp. 2-23, 2-52		plan complète oferwis
G-8	Required Reports : The state of the state of the control of the state of the control of the cont	264.56(j)	Ref. 24, Ch. 2, pp. 2-31, pp. 2-52 to		the state of the s
	Provisions for submission of reports of emergency incidents within 15 days of occurrence, and maintenance of records identifying the time, date, and details of an emergency incident.		2-53 P. 37		
t. PERS	ONNEL TRAINING	122.25(a)(12) 264.16	to the second of		
H-1	Outline of Training Program		- 13		
	An outline of both the introductory and continuing training programs by owners or operators to prepare personnel to operate or maintain the facility in a safe manner. Includes a brief description on how training will be designed to meet actual job tasks. (Note: on-the-job training may be used to comply with these requirements.)		P. 58-167	Jan	
	H-la Job Titles and Duties	264.16(d)(1)	Ref. 16, Secs. 3.1.4, 4.1.2	$\mathcal{V}$	
	The name, job title, duties, and job description of each employee whose position at the facility is related to hazardous waste management.	264.16(d)(2)	in the first of the second of		
	H-1b Training Content, Frequency, and Techniques	264.16(d)(3)	Ref. 16, Ch. 3, Secs: 3.2 to 3.3	Street 100 mg - Residence - Constitution - Constitu	
	A description of the content, frequency, and technique used in both introductory and continuing training (including an annual review of the initial training) for each employee.	264.16(c)			
	Key words or phrases: Training content, frequency, and techniques Level of training required		Ref. 16, Ch. 4-5 Ref. 16, Ch. 4, Secs. 4.1.1, 4.1.2,		
	Training for personnel safety Release prevention and response Decontamination procedures Facility operation and maintenance High hazard operations Maintaining documentation		4.1.4 Ref. 16, Sec. 5.2 Ref. 16, Sec. 5.3 Ref. 16, Sec. 5.4 Ref. 16, Sec. 5.5 Ref. 16, Sec. 5.6 Ref. 16, Sec. 5.7		

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DECISION GUIDE (continued) (Personnel Training)

SUBJE	ECT REQUII	<u>IREMENT</u>	40 CFR - SECTION NOS.	REFERENCES	Provided provided applytable Comments
	H-1c	C Training Director	264.16(a)(2)	Ref. 16, Sec. 3.1.6	to menter
		Demonstration that the program is directed by a person trained in hazardous waste management.			
	H-1d	d Relevance of Training to Job Position	264.16(1)	Ref. 16, Ch. 5	
	٠.	Instruction of facility personnel in hazardous waste management procedures (including contingency plan implementation) relevant to their positions.			
	H-1e		264.16(a)(3)	Ref. 16, Secs. 5.3, 5.6	
	, 4	Demonstration that facility personnel are able to respond effectively to emergencies and are familiar with emergency procedures, emergency equipment, and emergency systems.	, t		
		H-le(1) Procedures for Using, Inspecting, Repairing, and Replacing Facility Emergency and Monitoring Equipment		Ref. 16, Sec. 5.3 to 5.5	
		Key words or phrases: Respirators		Ref. 16, Ch. 8-9	
		H-1e(2) Key Parameters for Automatic Waste Feed Cutoff Systems		Ref. 16, Secs. 5.5.1 to 5.5.4	
0		H-le(3) Communications or Alarm Systems		Ref. 16, Sec. 5.3	
<b>U</b>		H-le(4) Response to Fires		Ref. 16, Secs. 5.3, 5.5.6.3; Ref. 28, Sec. 7	
		H-1e(5) Response to Groundwater Contamination Incidents		Ref. 16, Sec. 5.3	
		H-le(6) Shutdown of Operations		Ref. 16, Secs. 5.3, 5.5.4	<u> </u>
н	-2 <u>Imple</u>	lementation of Training Program	264.16(d)(4) 264.16(b)	Ref. 16, Secs. 3.1.5 and 4.1.6	
	perso or tr hired unsup Recor	ication that training has been successfully completed by facility sonnel within 6 months of their employment or assignment to a facility, transfer to a new position at a facility, whichever is later. Employees ed after the effective date of these regulations must not work in upervised positions until they have completed the training requirements. Ords documenting that the required training has been given to add completed by facility personnel must be maintained.	220(5)		

DECISION GUIDE (continued)

	re Plan)	•			,	Not hat
SUBJEC	T REQUIREM	Ent	40 CFR SECTION NOS.	REFERENCES	Trio	Provided provided applicable Comments
-		Post-closure Plans	122.25(a)(13) 264.110 thru 264.120			
1-	1 Closure	Plans	122.25(a)(13) 264.112	Refs. 15, 43, 57, 53		
	includi	of the written closure plan consistent with I-la through I-lk ng an estimate of the maximum inventory of wastes in storage and nt at any time.	204.222	e e e e e e e e e e e e e e e e e e e		
. ,		ds or phrases: plan revisions		Ref. 43, Secs. 2.5, 11.1, 13.2.2; Ref. 57, Secs. 2.5, 11.1, 13.2.2		$N l_n$
	,—	artial Closure	264.112(a)(1)	Ref. 43, Secs. 2.2.3, 2.2.4, 12.2.2; Ref. 57, Secs. 2.2.3, 2.2.4, 12.2.2	** :	74
	•	f partial closure is anticipated, a description of how and when the acility will be partially closed, including an identification of the aximum extent of operation after partial closure.				
		ley words of phrases: laximum waste inventory	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ref. 43, Secs. 2.2.4 and 12.2.2; Ref. 57, Secs. 2.2.4, 12.2.2	* , , , ,	Var no dute of (105 un)
	1-16 <u>F</u>	The Closure	264.112(a)(1)	Refs. 15, 43, 57, 53		100 date of country
ų V	; · ;A	description of how and when the facility will be finally closed.	44-4	194. <b>67.</b> 197. 4	₹ppesy : 1	not consistent with Parts.
		Maximum Waste Inventory	264.112(a)(2)	Refs. 15, 43, 57, 53		The Congression Service Partie.
		description of the maximum inventory of wastes in storage and treatment.	×	5 F. 97. 1 7 1 1		
	, . –	losure Performance Standard	264.111	Ref. 43, Secs. 2.2.8, 12.2.6; Ref: 57, Secs. 2.2.8, 12.2.6	Marin , pro	
	A	A description of how closure minimizes the need for post-closure maintenance and minimizes releases of wastes.				no vour aven?
	_	Schedule for Closure	264.112(a)(4)	Ref. 43, Secs. 2.2.6, 13.2.1; Ref. 57, Secs. 2.2.6, 13.2.1		- Jean goon-
		In estimate of the expected year of closure and schedule for final losure including total time to close the facility and time for closure activities.		D. 6.	(Merconomics)	
•	1	I-le(1) Time Allowed for Closure  A schedule for closure which shows that all hazardous wastes will be treated, removed off-site or disposed of on-site	264.113(a) and (b)	1.00		
	•	within 90 days from receipt of final volume of waste, and that all closure activities will be completed within 180 days from receipt of final volume of waste.	•	Say 5 4	•	D I
		*	·	year	$n I_{\Lambda}$	ant soms 9 man 1/1/16 -
				but (	UVL	word of the word o

(Closi	re Plan)		40 CFR SECTION NOS:	REFERENCES	provided provided applicable Respuest not made
		I-le(1)(a) Extensions for Closure Time  A petition for a schedule for closure which exceeds the 90 days for treatment, removal or disposal of wastes and/or the 180 days for completion of closure activities made to the Regional Administrator.	264.113(a) 264.113(b)		
	I-if	Disposal or Decontamination of Equipment	264.114	Ref. 43, Secs. 2.2.5, 12.2.3; Ref. 57, Secs. 2.2.5, 12.2.3	
		A description of how all facility equipment and structures will be decontaminated or disposed of when closure is completed.		Her. 37, 3663. E.E.S, ALLES	no detail on fra
	1-1g	Closure of Containers	264.178		V
		Show that at closure, all hazardous waste and hazardous waste residue will be removed from the containment system, and how remaining containers, liners, bases, and soil containing or contaminated with hazardous waste or hazardous waste residues will be decontaminated or removed.			or Transporters.
67		Key words and phrases: Container removal, recycling Site decontamination Disposal of contaminated soils Facility decontamination Drum cleaning Drum reconditioning (pesticides)		Ref. 2, Ch. 4, Sec. C-5 Ref. 15, Sec. 4.24 Ref. 3, Ch. 6-82 Ref. 40, pp. 9, 15 and 16 Ref. 41	
	I-1h	Closure of Tanks	264.197		
		Show that at closure, all hazardous waste and hazardous waste residues will be removed from tanks, discharge control equipment, and discharge confinement structure, and the facility will decontaminated.			
		Key words or phrases: Tank closure plan guidance Maximum amount of inventory Waste removal from tanks Facility decontamination procedures		Ref. 43, Ch. 3 Ref. 43, Ch. 3.3.1 Ref. 3, Ch. 6-B1 Ref. 3, Ch. 6-B2	WA
	1-11	Closure of Waste Piles	264.258		
		Show how at closure, all hazardous waste and hazardous waste residues will be removed from the pile, and any component of the containment system containing or contaminated with hazardous waste or hazardous waste residues will be decontaminated or removed.			The second of th
		Key words or phrases: Wet method for sediment removal Dry methods for sediment removal Sediment dewatering Soil removal Liner removal methods Air emission control		Ref. 15, Sec. 4.2.1 Ref. 15, Sec. 4.2.2 Ref. 15, Sec. 4.3 Ref. 15, Sec. 4.2.4 Ref. 15, Sec. 4.2.4 Ref. 15, Sec. 4.4.2	

DECISION GUIDE (continued) (Closure Plan)

SUBJE	ECT REQUIREMENT	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable Comments
	I-1j Closure Plan Amendment  If changes in operating plans or facility design affect the closure plan or the expected year of closure changes, a modification of the	264.112(b)	Ref. 43, Secs. 2.5, 11.1, 13.2.2; Ref. 57, Secs. 2.5, 11.1, 13.2.2	2 Frank work?
	closure plan. i-2 <u>Post-closure (Reserved)</u>			
	-3 Notice in Deed and Notice to Land Authority (Reserved) -4 Closure Cost Estimate		Refs. 54, 56, 67	2 Marie Mari
	A copy of the most recent closure cost estimate, calculated to cover the cost of closure when the cost would be greatest (not including partial closure). The cost must be updated annually using an inflation factor.	122.25(a)(15) 264.142		
	Key words or phrases: Annual adjustment for inflation		Ref. 54, Sec. 8.0; Ref. 67; Ref. 71; Sec. HH	
1	A copy of the established financial assurance mechanism for facility closure. The mechanism must be one of the following: I-5(a) through I-5(c).	122,25(a)(15) 264,143	Ref. 67, Sec. HH	
0	I-5a Closure Trust Fund  A copy of the closure trust fund agreement with the wording required in 264.151(a)(1) and a formal certification of acknowledgment.	264.143(a) 264.151(a)(1)	Ref. 67, Sec. HH	
	1-5b Surety Bond	7	Ref. 67, Sec. HH	
	I-5b(1) Surety Bond Guaranteeing Payment Into a Closure Fund A copy of the surety bond with the wording required in 264.151(b), a copy of the standby trust fund, and a written guarantee that the owner or operator will fund the standby fund at least 60 days before final closure begins and will provide alternate financial assurance if the bond is cancelled.	264. 143(b) 264. 151(b)	. Ref. 67, Sec. HH	
	I-5b(2) Surety Bond Guaranteeing Performance of Closure A copy of the surety bond with the wording required in Part 264.151(c), guaranteeing that the owner or operator will per- form closure according to the closure plan and the require-	264.143(c) 264.151(c)	Ref. 67, Sec. HH	

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DECISION GUIDE (continued) (Closure Plan)

requirements.

SUBJE	CT REQUI	REMENT	40 CFR SECTION NOS.	REFERENCES	Provided provided applicable Comments
	I-5c	Closure Letter of Credit	264.143(d) 264.151(f)	Ref. 67, Sec. HH	The state of the s
		A copy of the irrevocable letter of credit with the wording required in 264.151(f) and a copy of the standby trust fund. The letter of credit must be issued for a peirod of at least one year and be for the amount of estimated closure.	204. 151(1)		
	1-5d	Use of Multiple Financial Mechanisms	264.143(g)	Ref. 67, Sec. HH	
		A copy of a combination of trust fund agreements, surety bond guaran- teeing payment into a closure trust fund or letters of credit, which provide financial assurance for the amount of closure.			1 11/0 6 12 may
	1-5e	Use of Financial Mechanism for Multiple Facilities	264.143(h)	Ref. 67, Sec. HH	Wyaute 40 15 mis 9
		A copy of a financial assurance mechanism for more than one facility showing, for each facility, the EPA ID number, name, address, and amount of funds closure assured by the mechanism. A letter of credit may not be used to assure funds in more than one region.			1983
I	-6 Post	-closure Cost Estimate (Reserved)			
I	-7 Fina	ncial Assurance Mechanism for Post-closure (Reserved)			
1	-8 <u>Llab</u>	ility Requirements (Reserved)			
i ĝ	-9 <u>Proo</u>	of Coverage by a State Financial Mechanism	122.25(a)(18) 264.149		
	liab care faci assu liab to co a con sibi amour are ( ment:	re a state has hazardous waste regulations with equivalent or greater willty requirements for financial assurance for closure and post-closure, a copy of the state-required financial mechanisms, including the lity EPA 10 number, name, address, and amounts of coverage. If a state mes legal responsibility for compliance with closure, post-closure, or willty requirements or the state assures that state funds are available cover those requirements, then facility is in compliance and may include poy of a letter from the state describing the state assumption of responity and including the facility EPA 1D number, name, address, and ents of liability coverage or funds for closure or post-closure care that assured by the state. If state coverage is less than federal requires (264.143, 145, and 147), then the owner or operator must provide nstration of additional financial assurance mechanisms to equal federal	264.150		

DECISION GUIDE (continued) (Closure Plan)

SUBJECT REQUIREMENT	40 CFR SECTION NOS.	REFERENCES	browided provided applicable	Comments	
J. Other Federal Laws	122.25(a)(20) 122.12			not reducable	10
Demonstration of compliance with the requirements of applicable Federal la such as the Wild and Scenic Rivers Act National Historic Preservation Act 1966, Endangered Species Act, Coastal Zone Managment Act, Fish and Wildlif Coordination Act.	ews of			Phase II State	***************************************
Key words or phrases: Wild and Scenic Rivers Act Background Applicability/procedures Assistance in compliance		Ref. 58, Part 2, p. 3-5 Ref. 58, Part 2, p. 3-7 Ref. 58, Part 2, p. 3-9		per 123.7a	15
National Historic Preservation Act of 1966 Background Applicability Procedures Assistance in compliance Endangered Species Act		Ref. 58, Part 2, p. 4-5 Ref. 58, Part 2, p. 4-9 Ref. 58, Part 2, p. 4-11 Ref. 58, Part 2, p. 4-17			
Background Applicability Assistance in compliance		Ref. 58, Part 2, p. 5-3 Ref. 58, Part 2, p. 5-9 Ref. 58, Part 2, p. 5-13			